



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

<b>Applicant:</b>	Mittenthal, Lothrop )	<b>Examiner:</b>	LaForgia, Christian A.
	)		
<b>Serial No.:</b>	09/762,555 )	<b>Art Unit:</b>	2131
	)		
<b>Filing Date:</b>	4/10/2001 )	<b>Attorney Docket No.</b>	98086PCTUS
	)		
<b>Confirmation No.</b>	6718 )		

**Title:** DETERMINISTICALLY GENERATING BLOCK SUBSTITUTION TABLES WHICH MEET A GIVEN STANDARD OF NONLINEARITY

**Mail Stop: Issue Fee**  
**Commissioner for Patents**  
**P.O. Box: 1450**  
**Alexandria, VA 22313-1450**

**EXPRESS MAIL CERTIFICATE**

"Express Mail" label number EB616628775US

Date of Deposit September 19, 2007

I hereby certify that the following attached paper or fee  
**TRANSMITTAL OF PAYMENT OF ISSUE FEE**  
**PTO FORM-85B (In duplicate)**  
**CHECK PAYABLE TO PTO**

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: **Mail Stop: Issue Fee, Commissioner for Patents, P.O. Box: 1450, Alexandria, VA 22313-1450**

Beth H. Retort

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

(Express Mail Certificate)



Attorney's Docket No. 98086PCTUS

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mittenthal, Lothrop )  
Serial No.: 09/762,555 )  
Filing Date: 4/10/2001 )  
Confirmation No. 6718 )  
Examiner: LaForgia, Christian A.  
Art Unit: 2131  
Attorney Docket No. 98086PCTUS

Title: DETERMINISTICALLY GENERATING BLOCK SUBSTITUTION TABLES WHICH MEET A GIVEN STANDARD OF NONLINEARITY

Mail Stop: Issue Fee  
Commissioner for Patents  
P.O. Box: 1450  
Alexandria, VA 22313-1450

TRANSMITTAL OF PAYMENT OF ISSUE FEE (37 C.F.R. 1.311)

1. Applicant hereby pays the issue fee for the attached Issue Fee Transmittal PTOL-85.
2. Fee (37 C.F.R. 1.18(a) and (b)):  
Application status is:  
☐ small business entity-fee ☐ Regular \$700.00 ☐ Design \$400.00  
A small entity. See 37 C.F.R. § 1.27 (65 Fed. Reg. 54603, September 8, 2000).  
☒ other than a small entity-fee ☒ \$1,400.00 ☒ \$800.00
3. Payment of fee:  
☒ Enclosed please find check for \$1,430.00.  
☒ Charge Account 11-1110 for any fee deficiency.  
☐ Charge Account \_\_\_\_\_ the sum of \$ \_\_\_\_.  
A duplicate of this request is attached.

  
SIGNATURE OF ATTORNEY

Christopher G. Wolfe  
(type or print name of person certifying)

Reg. No.: 56,264

Tel. No.: (412) 355-6798  
Customer No. 26285

Kirkpatrick & Lockhart Preston Gates Ellis LLP  
Henry W. Oliver Building  
535 Smithfield Street  
Pittsburgh, PA 15222-2312

## PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
 or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated on this form or directed below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

06/20/2007

Robert A Muha  
 Kirkpatrick & Lockhart  
 Henry W Oliver Building  
 535 Smithfield Street  
 Pittsburgh, PA 15222-2312  
 09/20/2007 SFELEKE2 00000008 09762555

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

01 FC:1501

1400.00 DP

02 FC:0001

30.00 DP

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/762,555	04/10/2001	Lothrop Mittenhal	TET-1668/980	6718

TITLE OF INVENTION: DETERMINISTICALLY GENERATING BLOCK SUBSTITUTION TABLES WHICH MEET A GIVEN STANDARD OF NONLINEARITY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$0	\$1400	09/20/2007

EXAMINER	ART UNIT	CLASS-SUBCLASS
LAFORGIA, CHRISTIAN A	2131	380-263000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

Kirkpatrick & Lockhart  
 Preston Gates Ellis LLP  
 2  
 3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Teledyne Technologies Incorporated

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Los Angeles, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 10

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☒ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 11-1110 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Christopher G. Wolfe*

Date

9/19/07

Typed or printed name

Christopher G. Wolfe

Registration No.

56,264

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.